

Title (en)

Mobile terminal having flexible printed circuit board

Title (de)

Mobiles Endgerät mit flexibler Leiterplatte

Title (fr)

Terminal mobile doté d'une carte de circuit imprimé flexible

Publication

EP 2280591 A1 20110202 (EN)

Application

EP 10167239 A 20100624

Priority

KR 20090060976 A 20090706

Abstract (en)

A mobile terminal having a flexible printed circuit board is disclosed. The mobile terminal includes a first main body unit having a first electronic circuit board mounted therein, a second main body unit movably connected to the first main body unit and having a second electronic circuit board mounted therein, and a flexible printed circuit board (FPCB) for electrically connecting the first electronic circuit board and the second electronic circuit board to transmit an electric signal therebetween. The FPCB includes an FPCB connection unit, a first connector and a second connector formed at opposite ends of the FPCB connection unit and connected to the first electronic circuit board and second electronic circuit board, respectively, and a ground unit formed on the FPCB connection unit between the first connector and second connector and connected to a ground of the first electronic circuit board.

IPC 8 full level

H05K 1/14 (2006.01); **H05K 1/02** (2006.01); **H05K 3/36** (2006.01)

CPC (source: EP US)

H05K 1/0215 (2013.01 - EP US); **H05K 1/148** (2013.01 - EP US); **H05K 3/361** (2013.01 - EP US); **H05K 1/0218** (2013.01 - EP US); **H05K 1/147** (2013.01 - EP US); **H05K 3/325** (2013.01 - EP US); **H05K 2201/0715** (2013.01 - EP US); **H05K 2201/09618** (2013.01 - EP US); **H05K 2201/10189** (2013.01 - EP US)

Citation (search report)

- [XA] JP 2007013014 A 20070118 - CASIO HITACHI MOBILE COMM CO
- [XA] US 2006050490 A1 20060309 - OOTANI TAKUMI [JP]
- [A] US 2008062661 A1 20080313 - CHOI BYUNG SUNG [KR], et al
- [A] JP 2006041193 A 20060209 - SHARP KK

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

EP 2280591 A1 20110202; **EP 2280591 B1 20120620**; CN 101945149 A 20110112; CN 101945149 B 20141126; KR 101670258 B1 20161031; KR 20110003629 A 20110113; US 2011003622 A1 20110106; US 8750919 B2 20140610

DOCDB simple family (application)

EP 10167239 A 20100624; CN 201010224616 A 20100705; KR 20090060976 A 20090706; US 79491310 A 20100607